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PTO/SB/05 (03-01)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 21382.8022

First Inventor Mark L. Waechter

Title Method and Apparatus for Coin or Object Sensing Using Adaptive Operating Point Control

Express Mail Label No. EL 889 535 553 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 36]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 16]
5. ☐ Oath or Declaration [Total Pages 02]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Box Patent Application  
Commissioner for Patents  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 C.F.R. §3.73(b) Statement [Power of Attorney]  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
Prior application information: Examiner \_\_\_\_\_

of prior application No: \_\_\_\_\_ / \_\_\_\_\_  
Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

☒ Claims the benefit of U.S. Provisional Application No. 60/324,154 filed September 21, 2001

## 17. CORRESPONDENCE ADDRESS

\*30083\*

or ☐ Correspondence address below

☒ Customer Number or Bar Code Label

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PATENT TRADEMARK OFFICE

Name (Print/Type)	Richard L. Gregory, Jr.	Registration No. (Attorney/Agent)	42,607
Signature		Date	October 4, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mark L. Waechter  
 Title : Method and Apparatus for Coin or Object Sensing Using  
 Adaptive Operating Point Control  
 Docket No. : 21382.8022  
 Date : 04 October 2001

Box Patent Application  
 Commissioner for Patents  
 Washington, DC 20231

AUTHORIZATION FOR EXTENSIONS OF TIME UNDER 37 C.F.R. § 1.136(a)(3)  
AND FEE TRANSMITTAL

Sir:


With respect to the above-identified application, the Commissioner is authorized to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time. The Commissioner is also authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 50-0665.

With respect to the above-identified application, the fee is calculated below.

For	Number filed	Number extra		Rate		
Basic Fee						<b>\$710.00</b>
Total Claims	30	10	X	\$ 18	=	<b>\$180.00</b>
Independent Claims	11	8	X	\$ 80	=	<b>\$640.00</b>
Assignment				\$ 40	=	<b>\$40.00</b>
<b>TOTAL FILING FEE</b>						<b>\$1570.00</b>

The Commissioner is additionally authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required, or credit any overpayment, to Deposit Account No. 50-0665. A duplicate copy of this request is enclosed.

Date 10-04-01

  
Richard L. Gregory, Jr.  
Registration No. 42,607

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Attorney Docket No. 21382.8022

Patent

**Transmittal of Utility Patent Application for Filing**

*Certification Under 37 C.F.R. §1.10 (if applicable)*

**EL 889 535 553 US**

"Express Mail" Label Number

**October 4, 2001**

Date of Deposit

I hereby certify that this application, and any other documents referred to as enclosed herein are being deposited in an envelope with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

**Jennifer L. Mahoney**

(Print Name of Person Mailing Application)

  
\_\_\_\_\_  
(Signature of Person Mailing Application)

RECEIVED 10/10/01